Application No. 10/037,368

Amendment Dated November 4, 2003

Reply to Office Action of October 10, 2003

This listing of claims will replace all prior versions, and listings of claims in the

application:

**Listing of Claims:** 

Claim 1 (currently amended) In a manually operable switch having an operating handle

movably mounted on thea housing for moving a set of contacts in the housing from one

position to another between off and on positions, the improvement comprising:

a force generating arrangement mounted outside the switch housing; and

a force translation system having a longitudinal axis extending between the housing

and the force generating arrangement and having a first end structure movable linearly

slidable along the longitudinal axis into and out of contact with the operating handle and a

second end structure disposed for linear slidable movement along the longitudinal axis

in and inside the force generating arrangement.

Claim 2 (cancelled).

Claim 3 (original) The improvement of claim 1, wherein the force translation system is

comprised of a pair of elongated plungers.

Claim 4 (original) The improvement of claim 1, wherein a control structure is operably

connected to the force generating device outside the housing.

Claim 5 (original) A switch comprising:

a housing having wall structure formed with at least one throughbore, and an

operating handle pivotally mounted to the wall structure for manually moving a set of

contacts in the housing from one position to another;

a force generating device disposed externally of the housing; and

- 3 -

Application No. 10/037,368

Amendment Dated November 4, 2003

Reply to Office Action of October 10, 2003

at least one plunger movably mounted in the throughbore and having one end

engageable with the operating handle and an opposite end engageable with the force

generating device.

Claim 6 (original) The switch of claim 5, wherein the housing has a lower section

removably attached to an upper section.

Claim 7 (original) The switch in claim 6, wherein the wall structure of the housing lower

section has a length and a height, the throughbore being formed along substantially the

entire height of the wall structure of the housing lower section.

Claim 8 (original) The switch of claim 5, wherein the housing is suspendedly mounted in a

support panel.

Claim 9 (original) A manually operable switch which may be removably actuated

comprising:

a housing mounted in a support panel and having wall structure formed with a pair

of spaced apart throughbores, and an operating handle with opposed ends pivotally

mounted to the wall structure for moving a set of contacts from one portion to another, the

opposed ends of the operating handle being aligned with the throughbores;

a pair of force generating devices mounted exteriorly of the housing on a support

structure;

a pair of elongated plungers disposed for reciprocal movement in the throughbores,

each plunger having a first end movable into and out of contact with one end of the

operating handle, and a second end disposed for movement in one of the force generating

devices; and

- 4 -

Application No. 10/037,368

Amendment Dated November 4, 2003

Reply to Office Action of October 10, 2003

a control structure disposed outside the housing and operably connected to the force

generating devices to control actuation and deactuation thereof so as to move the plungers

in a manner which will remotely pivot the operating handle.

Claim 10 (original) The switch of claim 9, wherein the force generating devices are located

beneath the housing.

Claim 11 (original) The switch of claim 9, wherein the control structure is comprised of a

controller, a receiver and a transmitter, all interconnected together.

Claim 12 (original) A method of converting a manually operable switch to a remotely

actuated switch, the switch having an operating handle movably mounted in a housing for

moving a set of contacts from one position to another, the method comprising the steps of:

forming the housing with a pair of throughbores in alignment with opposite ends of

each operating handle;

providing a pair of force generating devices mounted outside the housing, each of

the force generating devices having a plunger movably mounted therein with a first end

receivable in one of the throughbores and movable into and out of engagement with an end

of the operating handle, and a second end disposed for movement in the force generating

device;

inserting the plunger into the throughbores in the housing; and

selectively actuating the force generating device so as to effect remote movement of

the operating handle.

- 5 -